****
Reviewer Comments:
<110> PITSON, Stuart, M.
XIA, Pu
MORETTI, Paul. A.
DOBBINS, Julia R.
VADAS, Matthew, A.
WATTENBERG, Brian W.
<120> A Method of Modulating Cellular Activity
<130> 229752003700
<140> US 10/509,036
<141> 2003-3-28

<150> PCT/AU03/00388
<151> 2003-3-28
<150> 2003900230
<151> 2003-1-21
* * * * * * * * *

Please change the dates for numeric identifiers <141> and <151> to the correct format, YYYY-MM-DD.

210> 7
<211> 20
<212> DNA
<213> mammalian

<400> 7

aagagtgggc gccaagacac 20

Please correct numeric identifier <210> to have both brackets around the number.

<210> 8
<211> 28
<212> DNA
<213> mammalian
* * * * * * * * *
<210> 9
<211> 24
<212> DNA
<213> mammalian
* * * * * * * * *
<210> 10
<211> 24
<212> DNA
<213> mammalian

* * * * * * * * *
<210> 11
<211> 19
<212> DNA
<213> mammalian
* * * * * * * * *
<210> 12
<211> 384
<212> PRT
<213> mammalian
* * * * * * * * *

For SEQ ID # 1 through 12, numeric identifier <213> can only be one of three choices, “Scientific name, i.e. Genus/species, Unknown or Artificial Sequence.” For all sequences using “Unknown or Artificial sequence”, for numeric identifier <213>, a mandatory feature is required to explain the source of the genetic material. The feature consists of <220>, which remains blank, and <223>, which states the source of the genetic material. Suggest using “Unknown” for numeric identifier <213> and “mammalian” for numeric identifier <223> in the mandatory feature. Please make all necessary changes.

<210> 13
<211> 26
<212> DNA
<213> primers
* * * * * * * * * *
<210> 14
<211> 29
<212> DNA
<213> primers
* * * * * * * * * *

For SEQ ID # 13 and 14, numeric identifier <213> can only be one of three choices, “Scientific name, i.e. Genus/species, Unknown or Artificial Sequence.” For all sequences using “Unknown or Artificial sequence”, for numeric identifier <213>, a mandatory feature is required to explain the source of the genetic material. The feature consists of <220>, which remains blank, and <223>, which states the source of the genetic material. Suggest using “Artificial sequence” for numeric identifier <213> and “primers” for numeric identifier <223> in the mandatory feature. Please make all necessary changes.

****

Validated By CRFValidator v 1.0.3

Application No: 10509036 Version No: 1.0

Input Set:

Output Set:

Started: 2008-11-12 15:22:02.667
Finished: 2008-11-12 15:22:04.649
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 982 ms
Total Warnings: 14
Total Errors: 7
No. of SeqIDs Defined: 14
Actual SeqID Count: 13

Error code		Error Description
E	287	Invalid WIPO ST.2 date format; Use (YYYY-MM-DD) in <141>
E	287	Invalid WIPO ST.2 date format; Use (YYYY-MM-DD)in <151>
E	287	Invalid WIPO ST.2 date format; Use (YYYY-MM-DD)in <151>
W	402	Undefined organism found in <213> in SEQ ID (1)
W	402	Undefined organism found in <213> in SEQ ID (2)
W	402	Undefined organism found in <213> in SEQ ID (3)
W	402	Undefined organism found in <213> in SEQ ID (4)
W	402	Undefined organism found in <213> in SEQ ID (5)
W	402	Undefined organism found in <213> in SEQ ID (6)
W	402	Undefined organism found in <213> in SEQ ID (6)
E	212	Invalid Sequence ID Number; Expected 7 as next SeqID but skipped
W	402	Undefined organism found in <213> in SEQ ID (8)
E	249	Order Sequence Error <210> -> <212>; Expected Mandatory Tag: <211> in SEQID (9)
W	402	Undefined organism found in <213> in SEQ ID (9)
W	402	Undefined organism found in <213> in SEQ ID (10)
W	402	Undefined organism found in <213> in SEQ ID (11)
W	402	Undefined organism found in <213> in SEQ ID (12)
W	402	Undefined organism found in <213> in SEQ ID (13)
W	402	Undefined organism found in <213> in SEQ ID (14)

Input Set:

Output Set:

Started: 2008-11-12 15:22:02.667
Finished: 2008-11-12 15:22:04.649
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 982 ms
Total Warnings: 14
Total Errors: 7
No. of SeqIDs Defined: 14
Actual SeqID Count: 13

Error code	Error Description
E 252	Calc# of Seq. differs from actual; 14 seqIds defined; count=13
E 250	Structural Validation Error; Sequence listing may not be indexable

SEQUENCE LISTING

<110> PITSON, Stuart, M.
XIA, Pu
MORETTI, Paul. A.
DOBBINS, Julia R.
VADAS, Matthew, A.
WATTENBERG, Brian W.

<120> A Method of Modulating Cellular Activity

<130> 229752003700

<140> US 10/509,036
<141> 2003-3-28

<150> PCT/AU03/00388
<151> 2003-3-28

<150> 2003900230
<151> 2003-1-21

<150> 2002951668
<151> 2002-09-19

<150> PS1538
<151> 2002-04-05

<150> PS1621
<151> 2002-04-08

<150> PS1448
<151> 2002-03-28

<160> 14

<170> PatentIn version 3.1

<210> 1
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<212> PRT
<213> mammalian

<400> 1

Lys Thr Pro Ala Ser Pro Val Val Val Gln
1 5 10

<210> 2
<211> 14
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<400> 2

Cys Gly Ser Lys Thr Pro Ala Ser Pro Val Val Val Gln Gln

1 5 10

<210> 3
<211> 11
<212> PRT
<213> mammalian

<400> 3

Ser Lys Thr Pro Ala Ser Pro Val Val Val Gln
1 5 10

<210> 4
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<212> DNA
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<400> 4

cggctgctgg cgcccatgaa c 21

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<400> 5

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<212> DNA
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<400> 6

agtgagaagg ctcggcgcct gggggag 27

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<212> DNA
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<400> 7

aagagtgggc gccaagacac 20

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<212> DNA
<213> mammalian

<400> 8

aagagtggga tccaaggcgc ctgcctcc 28

<210> 9
<211> 24
<212> DNA
<213> mammalian

<400> 9

aagacacctg cggcgcccgt tgtg 24

<210> 10
<211> 24
<212> DNA
<213> mammalian

<400> 10

acacctgccg aaccggttgt ggtc 24

<210> 11
<211> 19
<212> DNA
<213> mammalian

<400> 11

tctcactggg cagtggtgc 19

<210> 12
<211> 384
<212> PRT
<213> mammalian

<400> 12

Met Asp Pro Ala Gly Gly Pro Arg Gly Val Leu Pro Arg Pro Cys Arg
1 5 10 15

Val Leu Val Leu Leu Asn Pro Arg Gly Gly Lys Gly Lys Ala Leu Gln
20 25 30

Leu Phe Arg Ser His Val Gln Pro Leu Leu Ala Glu Ala Glu Ile Ser
35 40 45

Phe Thr Leu Met Leu Thr Glu Arg Arg Asn His Ala Arg Glu Leu Val
50 55 60

Arg Ser Glu Glu Leu Gly Arg Trp Asp Ala Leu Val Val Met Ser Gly
65 70 75 80

```
Asp Gly Leu Met His Glu Val Val Asn Gly Leu Met Glu Arg Pro Asp
                85                  90                  95

Trp Glu Thr Ala Ile Gln Lys Pro Leu Cys Ser Leu Pro Ala Gly Ser
            100                 105                 110

Gly Asn Ala Leu Ala Ala Ser Leu Asn His Tyr Ala Gly Tyr Glu Gln
        115                 120                 125

Val Thr Asn Glu Asp Leu Leu Thr Asn Cys Thr Leu Leu Leu Cys Arg
    130                 135                 140

Arg Leu Leu Ser Pro Met Asn Leu Leu Ser Leu His Thr Ala Ser Gly
145                 150                 155                 160

Leu Arg Leu Phe Ser Val Leu Ser Leu Ala Trp Gly Phe Ile Ala Asp
                165                 170                 175

Val Asp Leu Glu Ser Glu Lys Tyr Arg Arg Leu Gly Glu Met Arg Phe
            180                 185                 190

Thr Leu Gly Thr Phe Leu Arg Leu Ala Ala Leu Arg Thr Tyr Arg Gly
        195                 200                 205

Arg Leu Ala Tyr Leu Pro Val Gly Arg Val Gly Ser Lys Thr Pro Ala
    210                 215                 220

Ser Pro Val Val Val Gln Gln Gly Pro Val Asp Ala His Leu Val Pro
225                 230                 235                 240

Leu Glu Glu Pro Val Pro Ser His Trp Thr Val Val Pro Asp Glu Asp
                245                 250                 255

Phe Val Leu Val Leu Ala Leu Leu His Ser His Leu Gly Ser Glu Met
            260                 265                 270

Phe Ala Ala Pro Met Gly Arg Cys Ala Ala Gly Val Met His Leu Phe
        275                 280                 285

Tyr Val Arg Ala Gly Val Ser Arg Ala Met Leu Leu Arg Leu Phe Leu
    290                 295                 300

Ala Met Glu Lys Gly Arg His Met Glu Tyr Glu Cys Pro Tyr Leu Val
305                 310                 315                 320

Tyr Val Pro Val Val Ala Phe Arg Leu Glu Pro Lys Asp Gly Lys Gly
                325                 330                 335

Met Phe Ala Val Asp Gly Glu Leu Met Val Ser Glu Ala Val Gln Gly
            340                 345                 350

Gln Val His Pro Asn Tyr Phe Trp Met Val Ser Gly Cys Val Glu Pro
        355                 360                 365

Pro Pro Ser Trp Lys Pro Gln Gln Met Pro Pro Pro Glu Glu Pro Leu
    370                 375                 380
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<210> 13
<211> 26
<212> DNA
<213> primers

<400> 13

taaagcttgc caccatggtg agcaag 26

<210> 14
<211> 29
<212> DNA
<213> primers

<400> 14

atggatccat cttgtacagc tcgtccatg 29